at1110paper_practice_test (v29)

1. Expand the following expression into standard form.

$$(9x + 5)(3x + 2)$$

2. Solve the equation.

$$(5x - 9)(7x - 3) \ = \ 0$$

3. Expand the following expression into standard form.

$$(5x - 4)(5x + 4)$$

4. Expand the following expression into standard form.

$$(5x + 2)^2$$

5. Factor the expression.
$$x^2 + 8x + 12$$

6. Factor the expression.
$$64x^2 - 25$$

7. Solve the equation with factoring by grouping.
$$15x^2 + 6x - 20x - 8 \ = \ 0$$

8. Solve the equation.
$$7x^2 + 16x + 22 \ = \ 4x^2 - 3x + 2$$